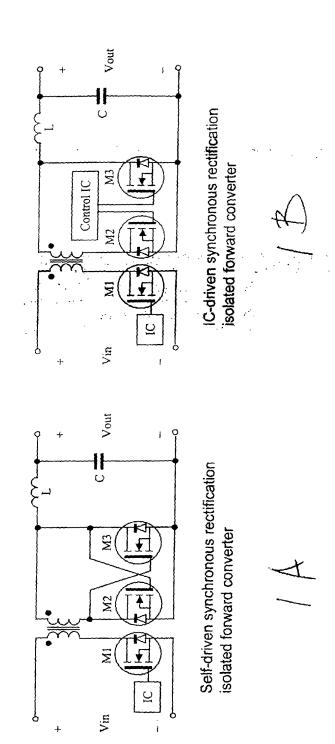
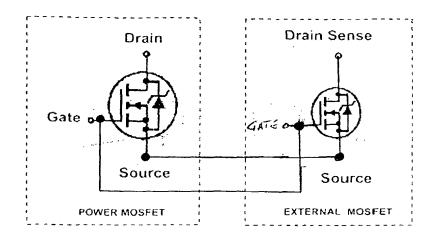
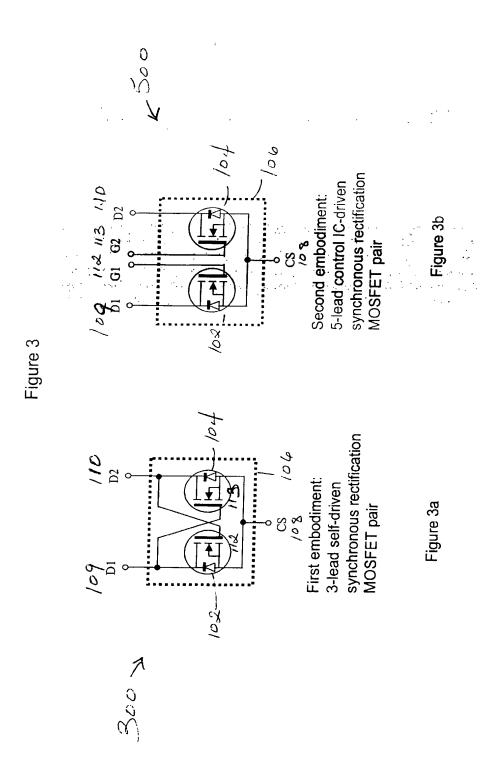
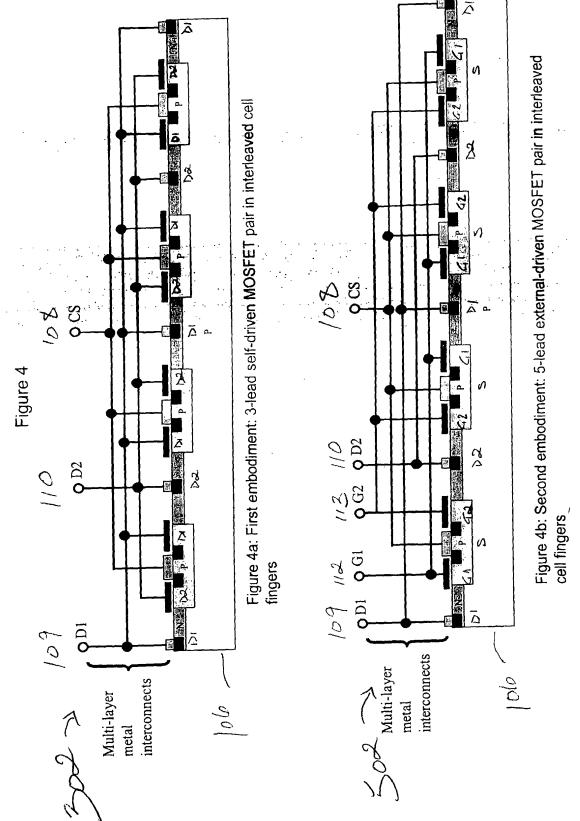
Figure 1





F14. 2





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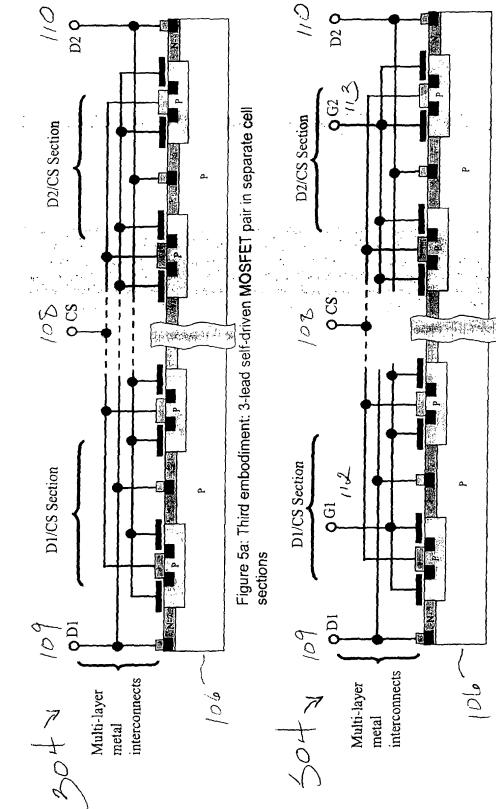
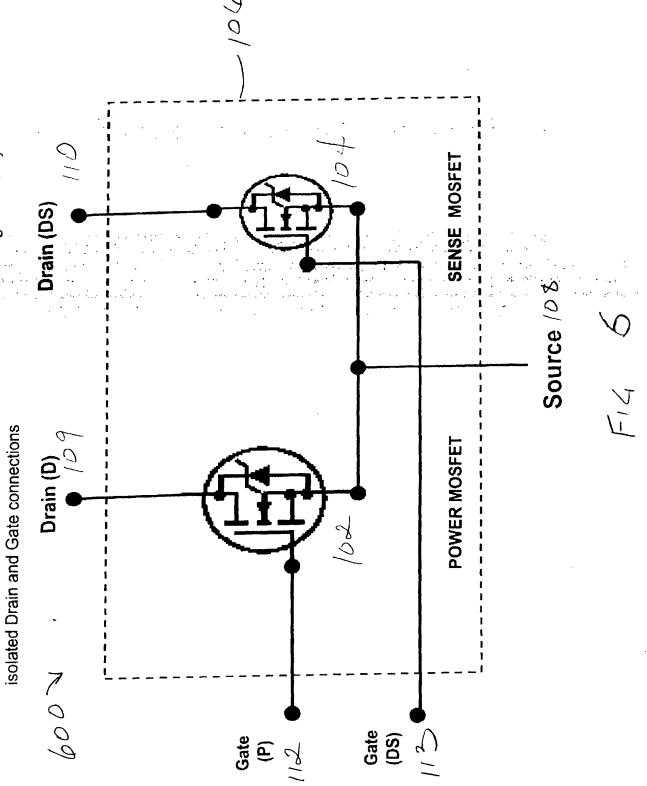


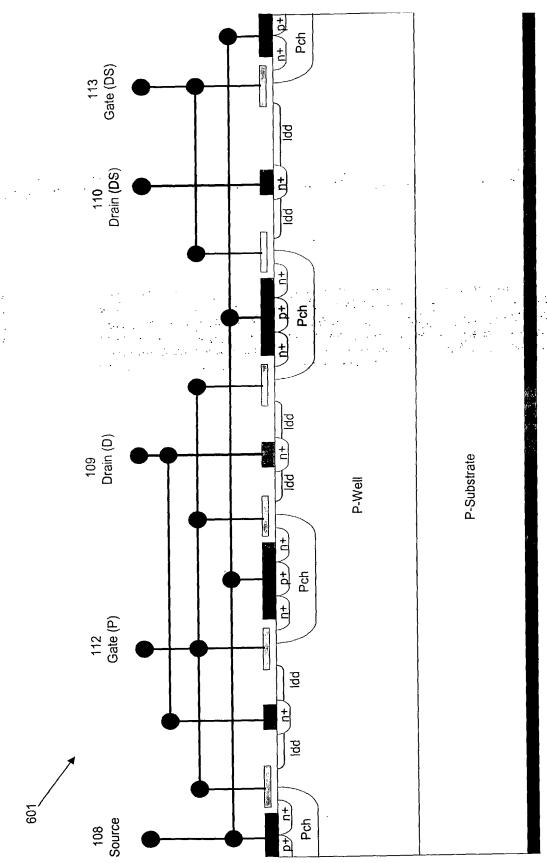
Figure 5

Figure 5b: Fourth embodiment: 5-lead external-driven MOSFET pair in separate cell sections

1. Discrete power semiconductor device comprised of multiple transistors with common Source connection with one or more transistors having electrically



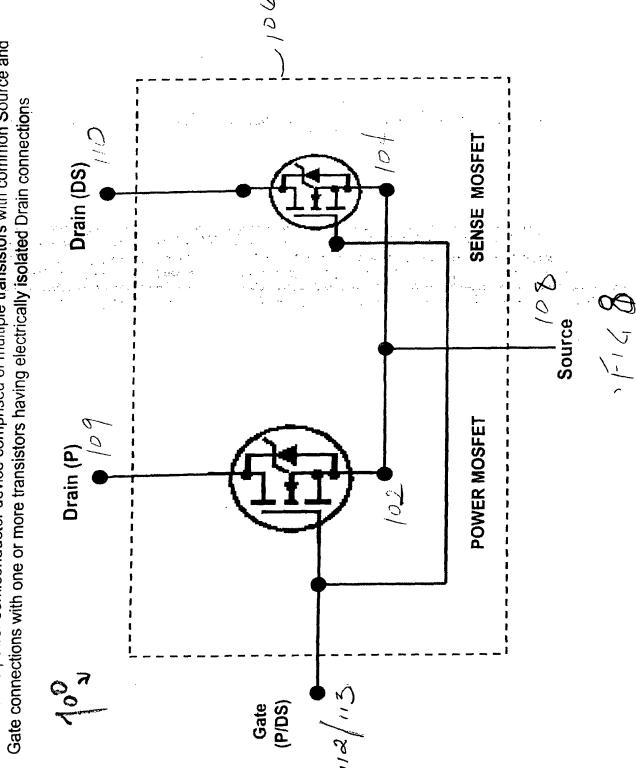
1. Discrete power semiconductor device comprised of multiple transistors with common Source connection with one or more transistors having electrically isolated Drain and Gate connections



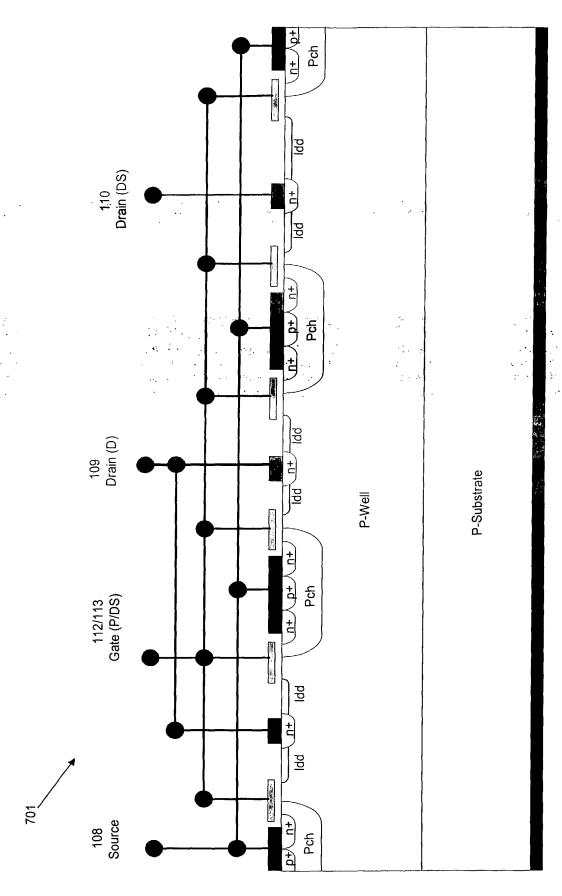
Cross-Sectional Diagram of a Power MOSFET With Integrated Drain Sense

Figure 7

2. Discrete power semiconductor device comprised of multiple transistors with common Source and

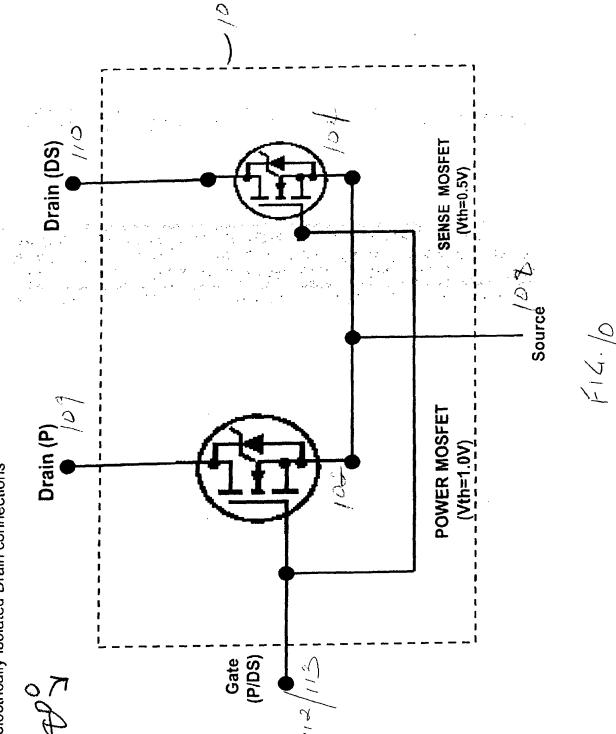


2. Discrete power semiconductor device comprised of multiple transistors with common Source and Gate connections with one or more transistors having electrically isolated Drain connections



Cross-Sectional Diagram of a Power MOSFET With Integrated Drain Sense Figure 9

3. Discrete power semiconductor device comprised of multiple transistors with common Source and Gate connections with one or more transistors having substantially different threshold voltages and electrically isolated Drain connections



3. Discrete power semiconductor device comprised of multiple transistors with common Source and Gate connections with one or more transistors having substantially different threshold voltages and electrically isolated Drain connections

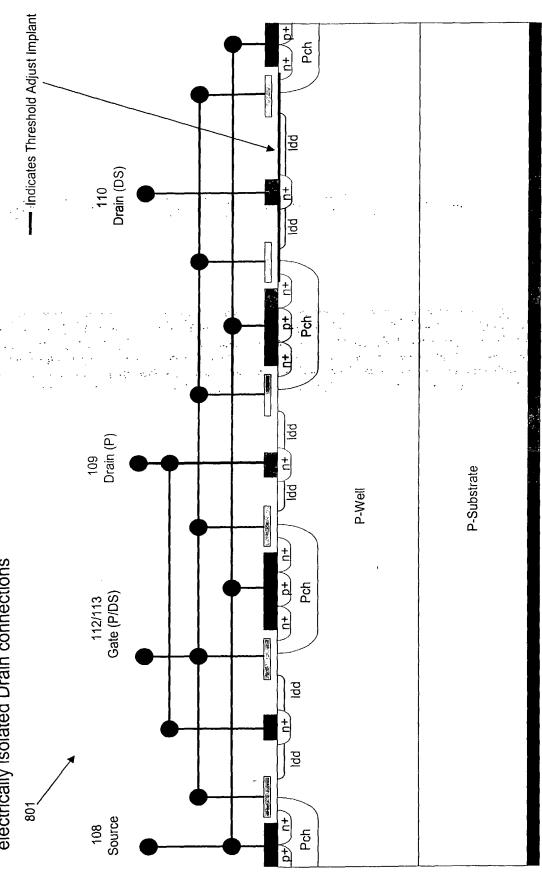


Figure 11

Cross-Sectional Diagram of a Power MOSFET With Integrated Drain Sense